



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

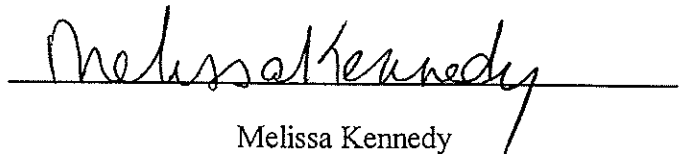
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010479
CERTIFICATION DATE: September 4, 2013
DATE RECERTIFICATION DUE: March 3, 2014

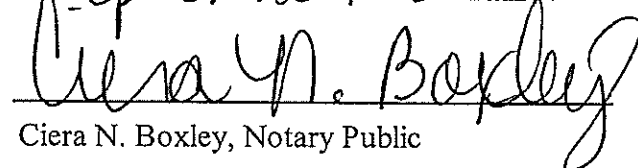
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

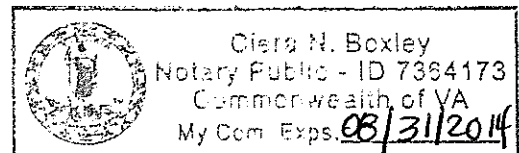
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12th day of
September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLW



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/6/2013

HMS
DBH

Instrument Serial Number: 010479

As of 06-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
04-Sep-13	04-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
27-Mar-13	27-Mar-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
09-Oct-12	09-Oct-12	TLN (25387)	CERTIFIED
25-Apr-12	25-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
01-Nov-11	01-Nov-11	DBH (21250)	CERTIFIED
15-Jul-10	15-Jul-10	SED (24178)	CALIBRATED AND CERTIFIED.
15-Jul-10	15-Jul-10	SED (24178)	CALIBRATED AND CERTIFIED.
22-Oct-09	22-Oct-09	SED (24178)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
09-Feb-09	09-Feb-09	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS
msk

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010479** Worksheet Start Date **9/4/2013**

Location **Lee County**

Address **33640 Main St., Jonesville, VA 24263**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

50

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010479

Certification Date 9/4/2013

Instrument Barometer (mm HG) 723

Reference Barometer (mm HG) 726

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.238
0.250	0.238	0.230	0.245	Sample 2	0.238
Precision		sample min	sample max	Sample 3	0.237
0.001		0.237	0.238		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.142
0.150	0.143	0.138	0.147	Sample 2	0.142
Precision		sample min	sample max	Sample 3	0.142
0		0.142	0.142		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.075
0.080	0.076	0.073	0.079	Sample 2	0.075
Precision		sample min	sample max	Sample 3	0.075
0		0.075	0.075		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-22

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.094
0.100	0.095	0.092	0.098	Sample 2	0.094
Precision		sample min	sample max	Sample 3	0.094
0		0.094	0.094		

DFS Technician

Heather M. Storch

Date

9/6/13

Issuing Analyst

Melissa Kennedy

Date

9/6/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
Puck

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	09/04/2013
TEST EQUIPMENT NUMBER		
010479		

RESULTS: TIME SAMPLE TAKEN **09:44 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 04 Sep 2013 at 09:54

TLN
HMS
MCK

Test Results

Instrument Serial Number 010479

Test # 000270 Subject Test

Test Location 1 Department of
Test Date 04 Sep 2013

Test Location 2 Forensic Science
Test Time 09:39
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 09:46

Result Time 09:44

Result Date 04 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:39

Data Type BLK

Sample Value 0.000

Sample Time 09:40

Data Type CHK

Sample Value 0.098

Sample Time 09:40

Data Type BLK

Sample Value 0.000

Sample Time 09:41

Data Type SUBJ

Sample Value 0.000

Sample Time 09:42

Data Type BLK

Sample Value 0.000

Sample Time 09:43

Data Type SUBJ

Sample Value 0.000

Sample Time 09:44

Data Type BLK

Sample Value 0.000

Sample Time 09:45

Standard Type Dry Gas Std

Standard Value 0.095

Standard Lot Number AG226201-22

Standard Expiration Date 09/18/2014

Tank Pressure 1110

Barometric Pressure 723 mmHg

Blow Sample Number 1 Blow Duration 3.48 sec

Blow Volume 1736 cc End-of-Blow Time 09:42

Blow Sample Number 2 Blow Duration 3.58 sec

Blow Volume 1762 cc End-of-Blow Time 09:44

Tamper Evident Stamp fcb892ea

Test Status Code 0

Test Status Success

LMS
NBL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010479

System Date: 09/04/2013

System Time: 10:10 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HMS
PDL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010479 Test Number: 271

Test Date: 09/04/2013 Test Time: 10:13 EDT

Dry Gas Target: 0.095

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 757 psi Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:14
CAL	0.095	10:14

Test Status: *Success*

Calibration CRC: AD9E7DE6

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010479 Test Number: 272
Test Date: 09/04/2013 Test Time: 10:17 EDT

Technician Initials: HMS

Dry Gas Target: 0.238

Lot Number: 06512250I5-04 Exp Date: 04/01/2014

Tank Pressure: 80 psi Barometric Pressure: 722 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:18
BLK	0.000	10:18
CHK	0.238	10:19
BLK	0.000	10:20
CHK	0.238	10:21
BLK	0.000	10:23
CHK	0.237	10:23
BLK	0.000	10:25

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
WXL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010479 Test Number: 273
Test Date: 09/04/2013 Test Time: 10:26 EDT

Technician Initials: HMS

Dry Gas Target: 0.143

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 291 psi Barometric Pressure: 722 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:27
BLK	0.000	10:27
CHK	0.142	10:28
BLK	0.000	10:29
CHK	0.142	10:30
BLK	0.000	10:31
CHK	0.142	10:32
BLK	0.000	10:33

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AMS
WSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010479 Test Number: 274
Test Date: 09/04/2013 Test Time: 10:35 EDT

Technician Initials: HMS

Dry Gas Target: 0.076

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 360 psi Barometric Pressure: 722 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:35
BLK	0.000	10:36
CHK	0.075	10:37
BLK	0.000	10:38
CHK	0.075	10:39
BLK	0.000	10:40
CHK	0.075	10:41
BLK	0.000	10:42

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
NHL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010479 Test Number: 275
Test Date: 09/04/2013 Test Time: 10:43 EDT

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 379 psi Barometric Pressure: 722 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:43
BLK	0.000	10:44
CHK	0.018	10:45
BLK	0.000	10:46
CHK	0.018	10:47
BLK	0.000	10:48
CHK	0.018	10:49
BLK	0.000	10:50

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HMS
HMS

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010479 Test Number: 276

Test Date: 09/04/2013 Test Time: 10:52 EDT

Dry Gas Target: 0.285

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 487 psi Barometric Pressure: 722 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:53
CHK	0.285	10:54
BLK	0.000	10:55
CHK	0.285	10:56
BLK	0.000	10:58
CHK	0.284	10:59

Test Status: Success

Calibration CRC: AD9E7DE6

thus
well

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010479 Test Number: 277

Test Date: 09/04/2013 Test Time: 11:01 EDT

Dry Gas Target: 0.238

Lot Number: AG205404-02 Exp Date: 02/23/2014

Tank Pressure: 154 psi Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:02
CHK	0.238	11:03
BLK	0.000	11:04
CHK	0.238	11:05
BLK	0.000	11:06
CHK	0.237	11:07

Test Status: *Success*

Calibration CRC: AD9E7DE6

ANS
NSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010479 Test Number: 278

Test Date: 09/04/2013 Test Time: 11:09 EDT

Dry Gas Target: 0.095

Lot Number: AG226201-22 Exp Date: 09/18/2014

Tank Pressure: 1090 psi Barometric Pressure: 722 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:10
CHK	0.094	11:11
BLK	0.000	11:12
CHK	0.094	11:13
BLK	0.000	11:14
CHK	0.094	11:15

Test Status: *Success*

Calibration CRC: AD9E7DE6




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/04/2013
TEST EQUIPMENT NUMBER 010479		

RESULTS: TIME SAMPLE TAKEN 11:22 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 08:28

Handwritten initials/signature

Test Results

Instrument Serial Number 010479

Test # 000279 Subject Test

Test Location 1 Department of

Test Date 04 Sep 2013

Test Location 2 Forensic Science

Test Time 11:16

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 04 Sep 2013

End Time 11:24

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG226201-22

Tank Pressure 1085

Blow Sample Number 1

Blow Duration 3.43 sec

Blow Sample Number 2

Blow Duration 3.70 sec

Tamper Evident Stamp 2a5efa7c

Test Status Success

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Result Time 11:22

Sample Value Pass

Sample Value 0.000

Sample Value 0.094

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Operator's Middle Initial M

License Number 18910

Expiration Date 10/01/2014

Subject's Sex Male

Result Date 04 Sep 2013

Result 0.00

Sample Time 11:17

Sample Time 11:18

Sample Time 11:18

Sample Time 11:20

Sample Time 11:20

Sample Time 11:21

Sample Time 11:22

Sample Time 11:23

Standard Value 0.095

Standard Expiration Date 09/18/2014

Barometric Pressure 722 mmHg

Blow Volume 1771 cc

End-of-Blow Time 11:20

Blow Volume 1730 cc

End-of-Blow Time 11:22

Test Status Code 0